

Figure 1 – LHV energy conversion efficiency as a function of electrical power density for a range of given operating temperatures

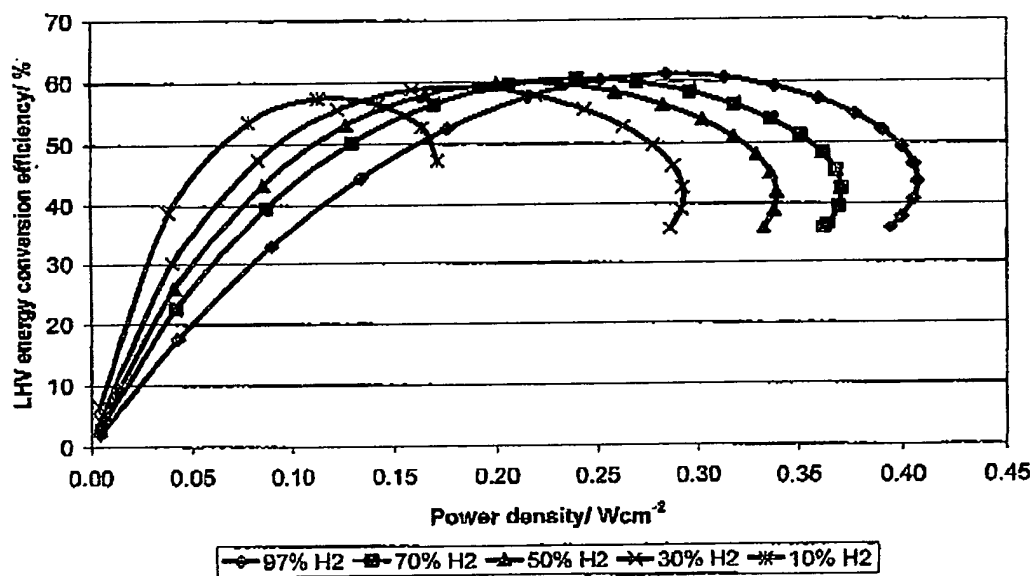


Figure 2 – LHV energy conversion efficiency as a function of electrical power density for a range of hydrogen % in steam

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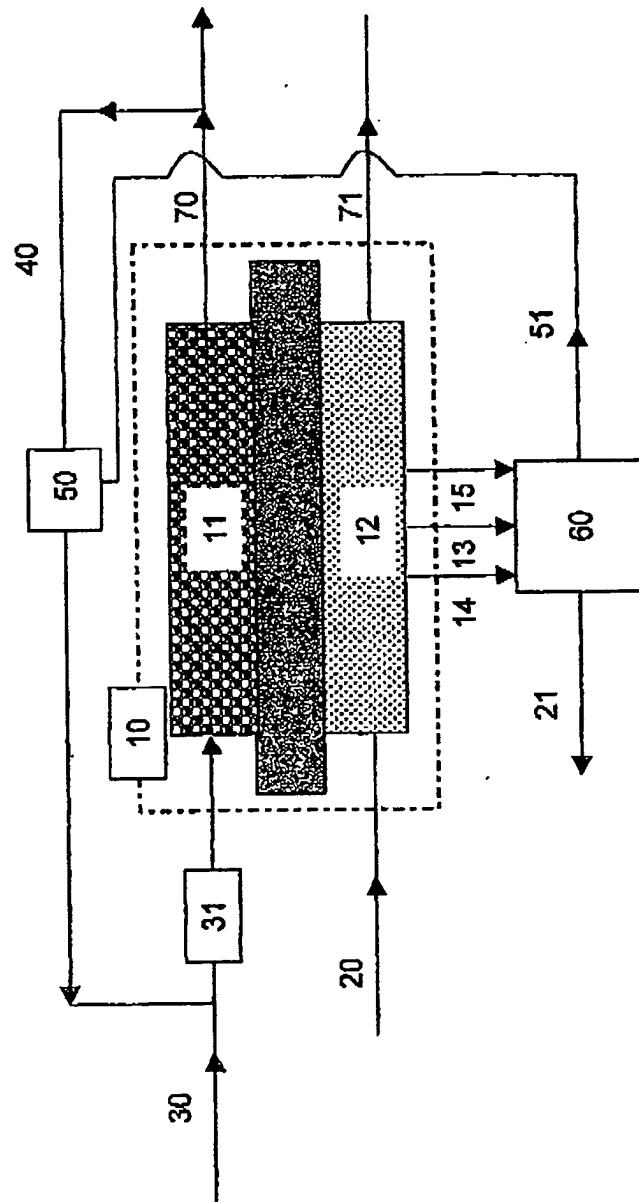


Figure 3

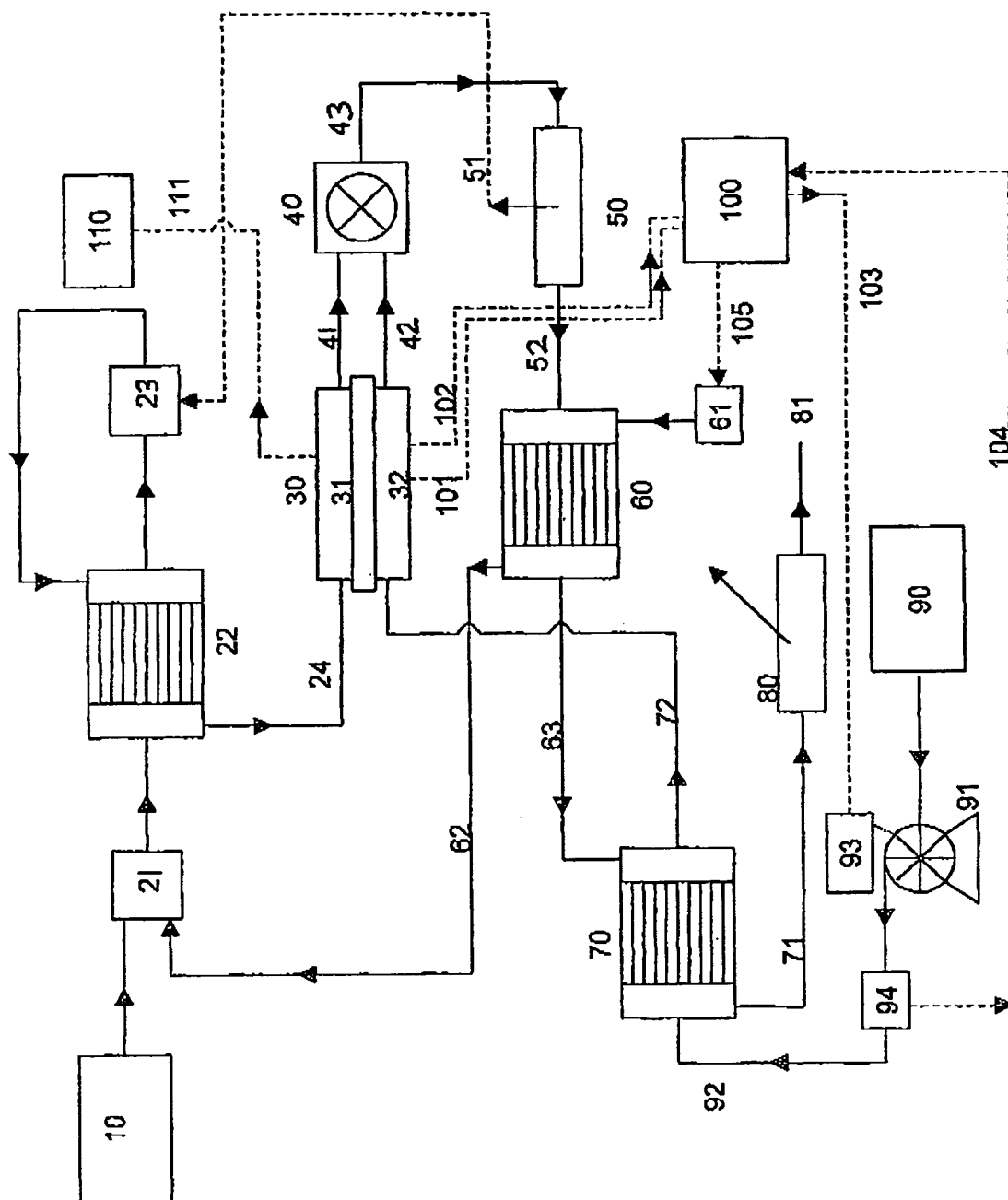


Figure 4 -- SOFC system operating on LPG showing method of implementation described in Method 1

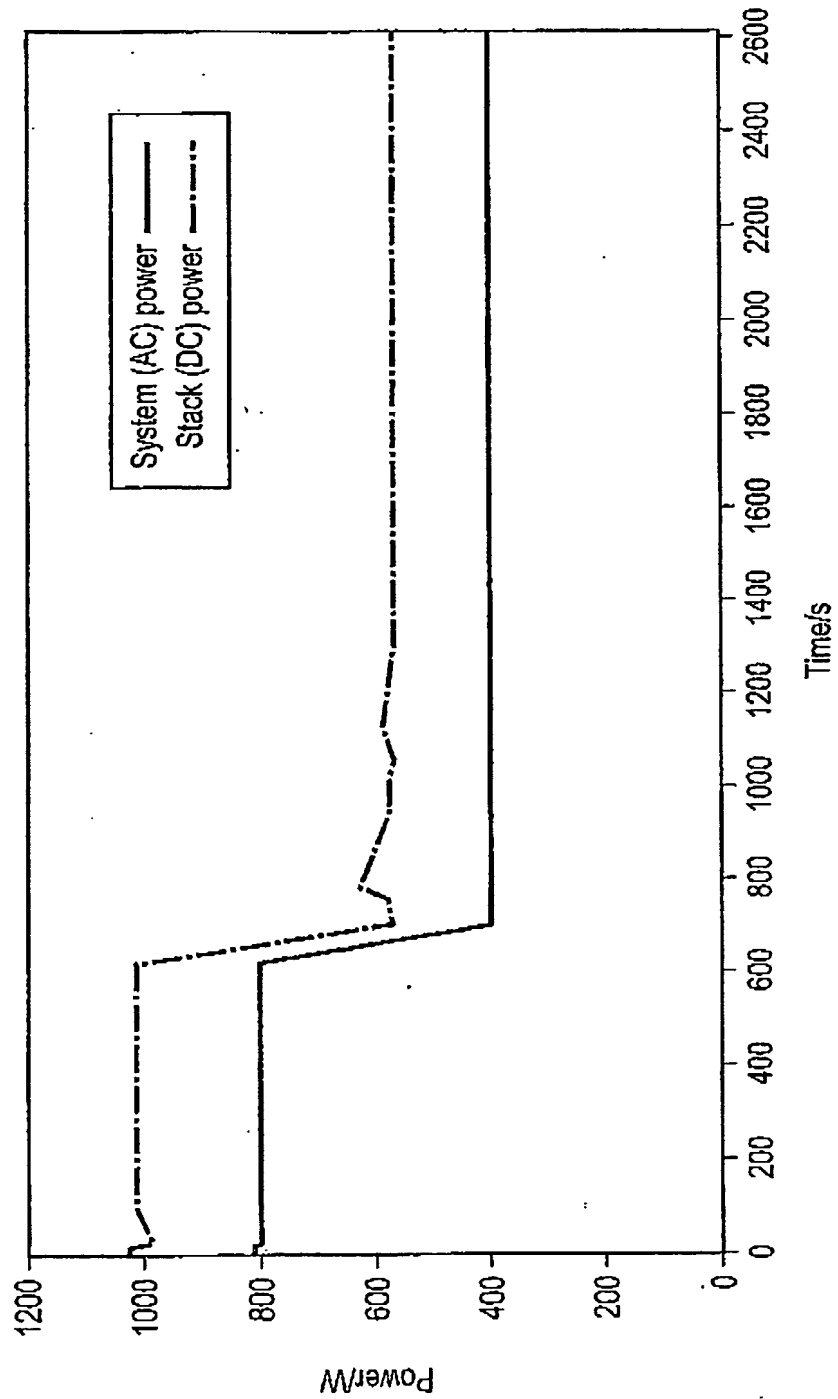


Fig. 5 - Stack and system power outputs

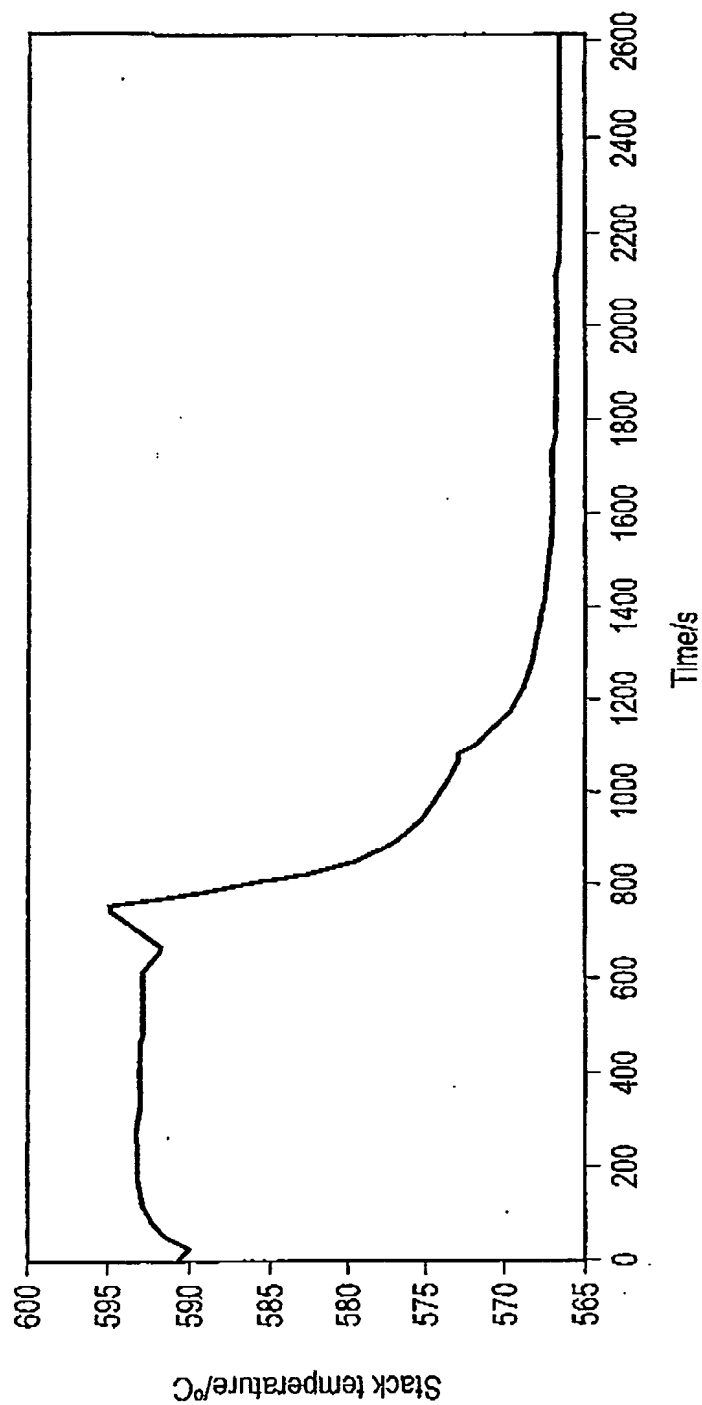


Fig. 6 - Stack temperature

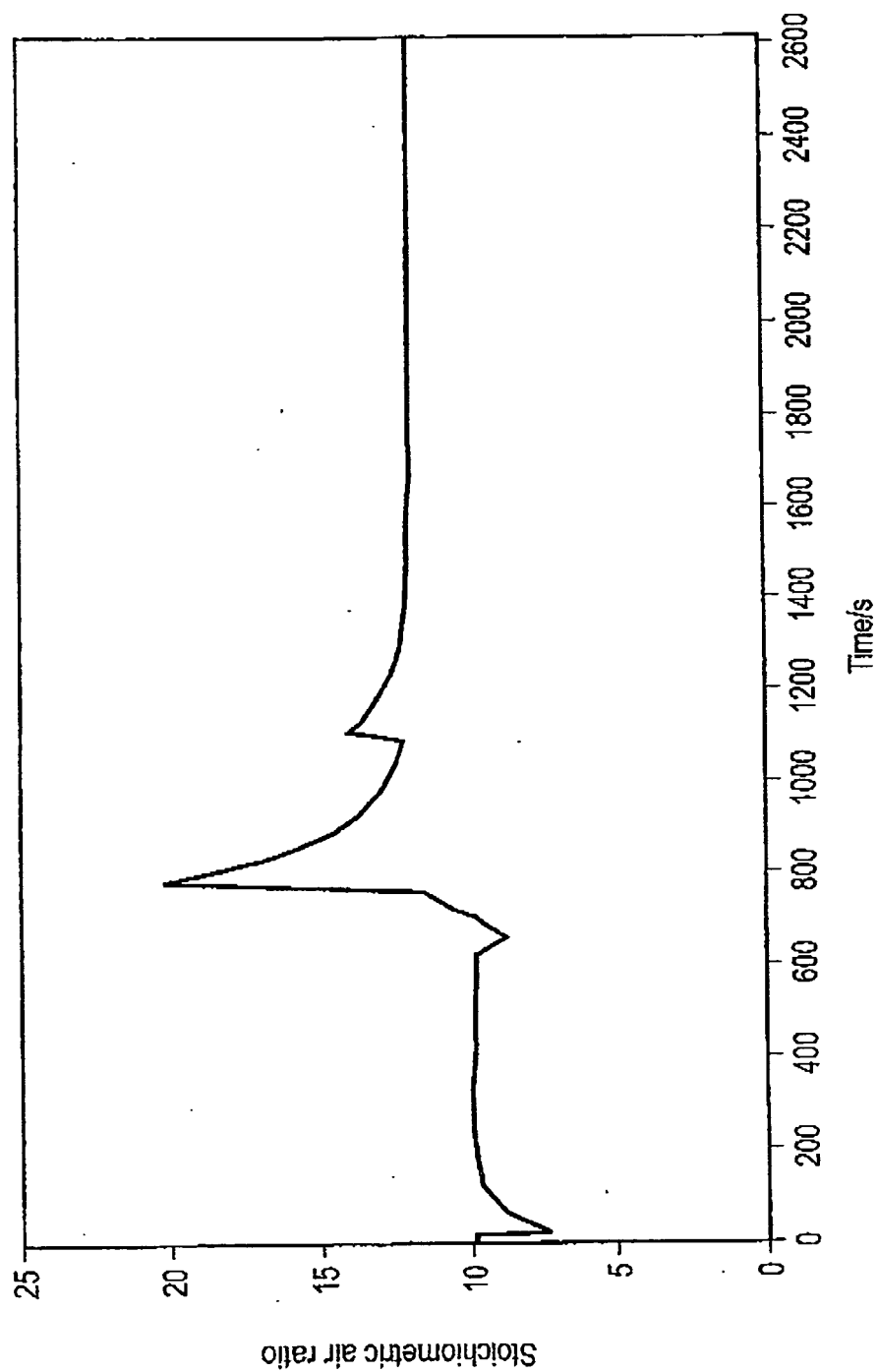


Fig. 7 - Stoichiometric air ratio

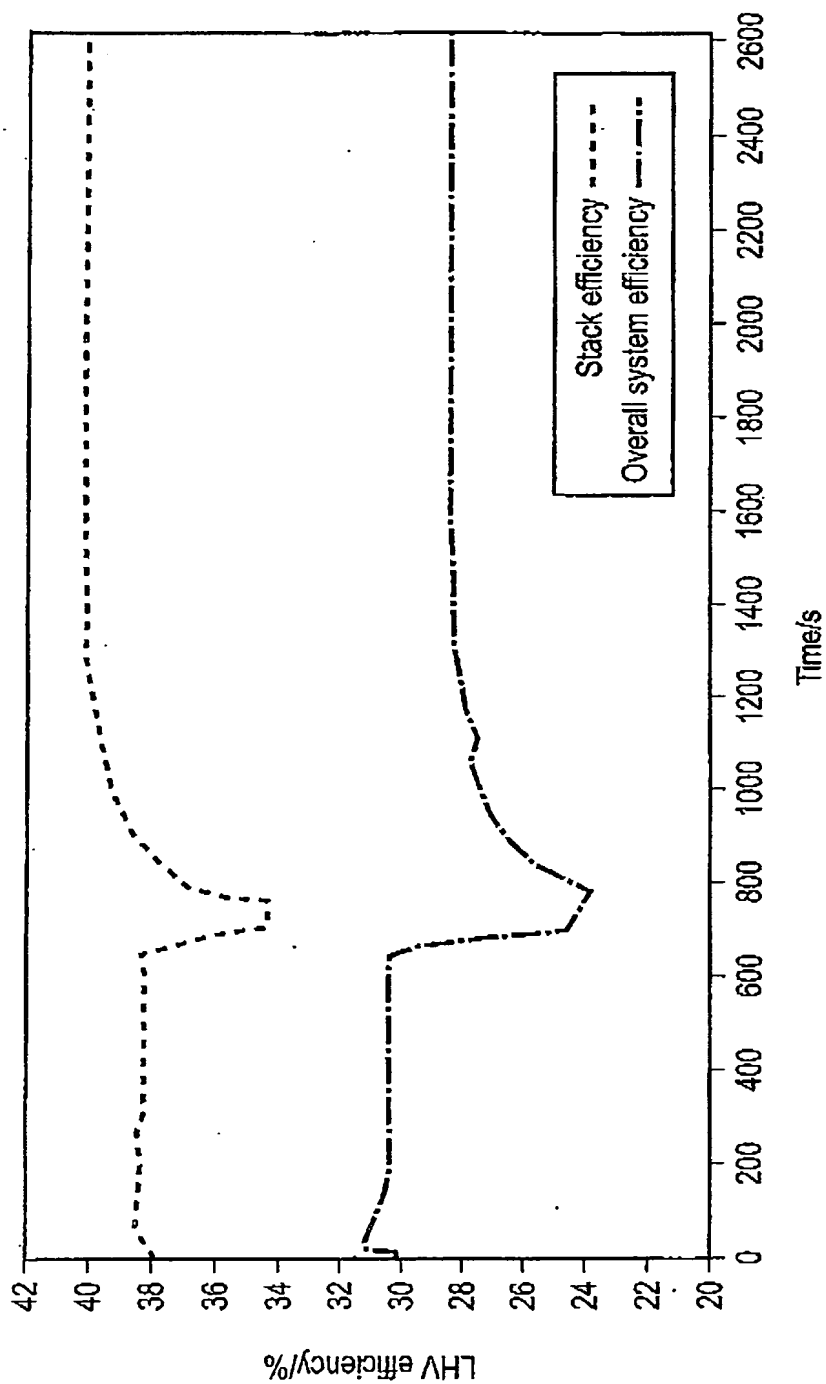


Fig. 8 - Stack and system efficiency

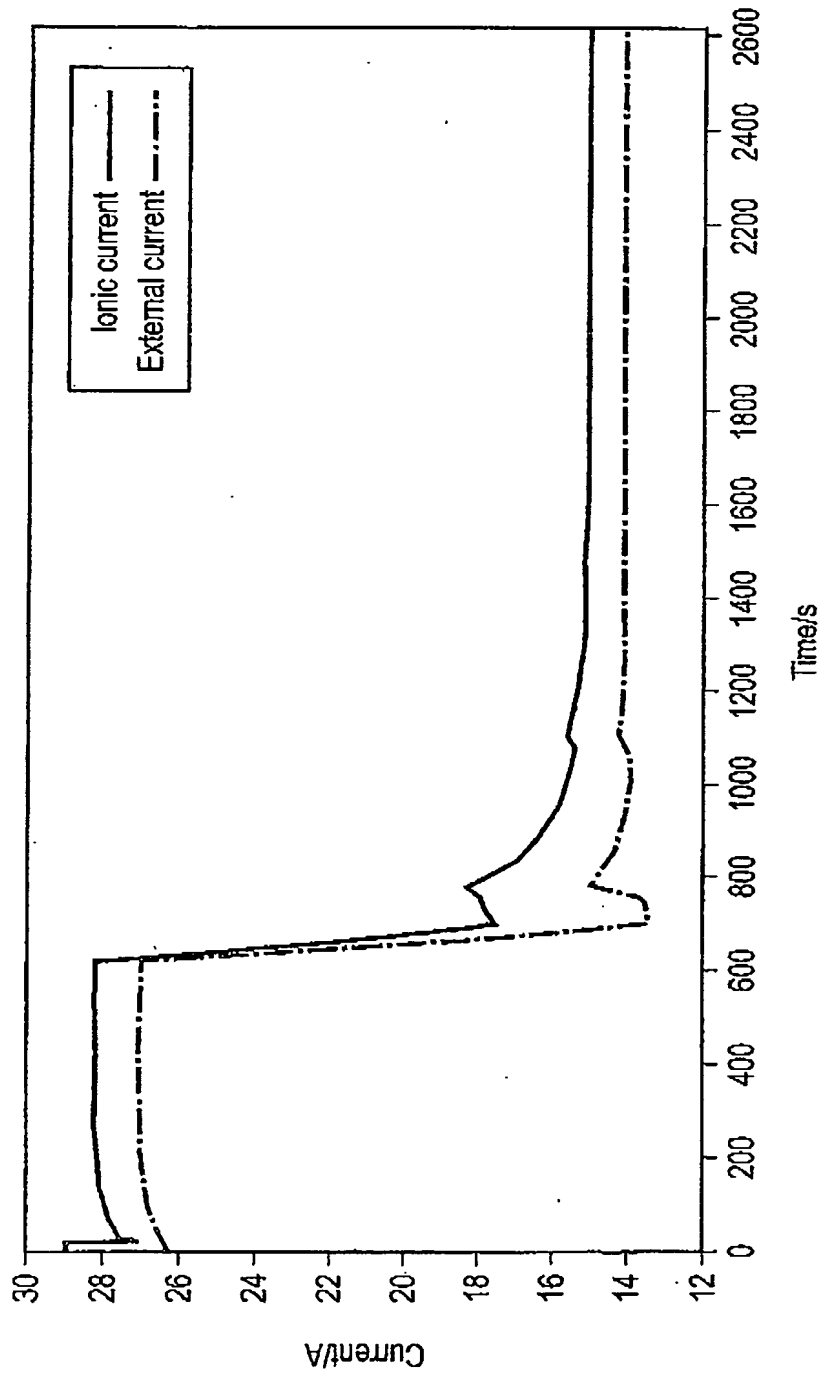


Fig. 9 - Ionic and external stack currents



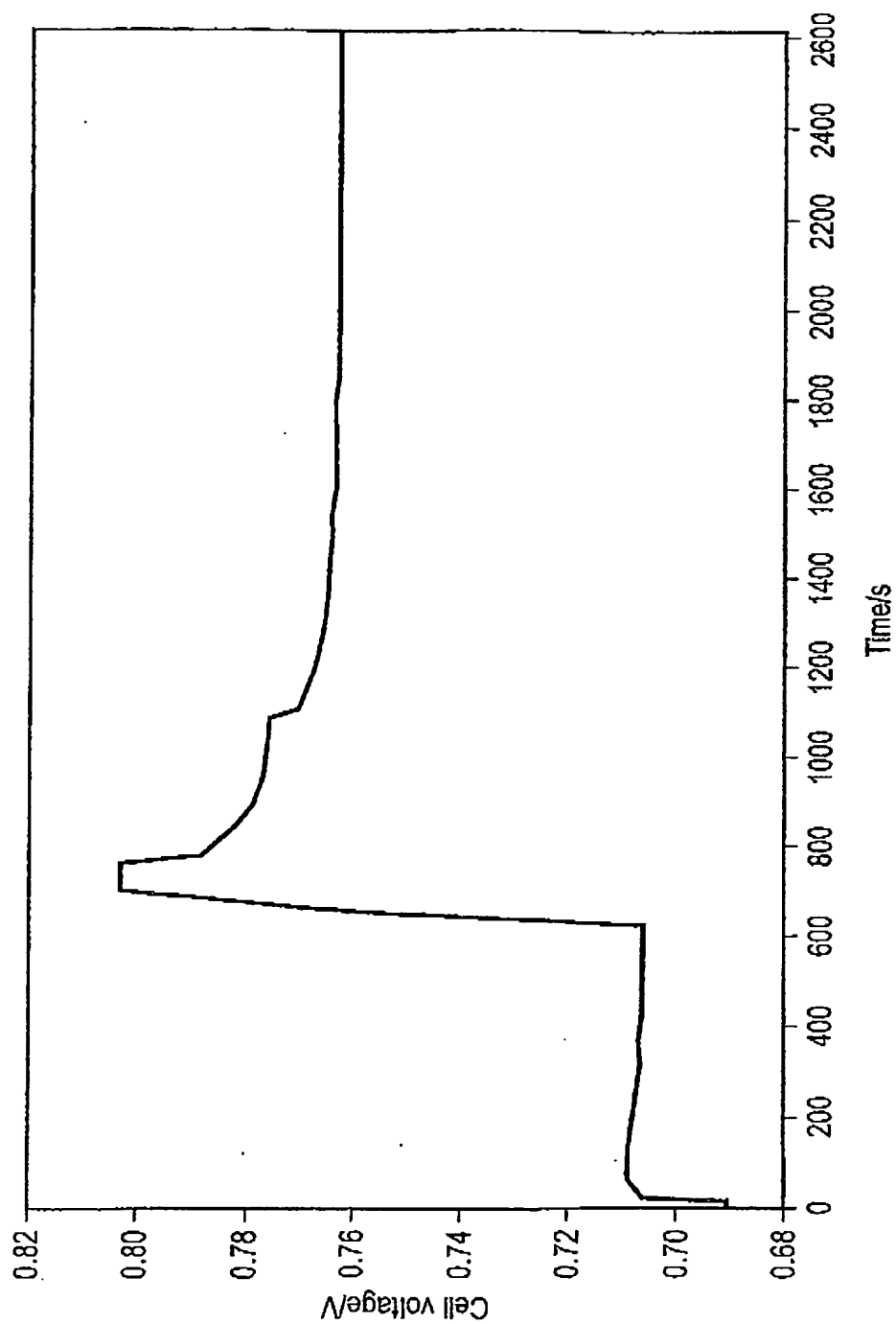


Fig. 10 - Cell voltage

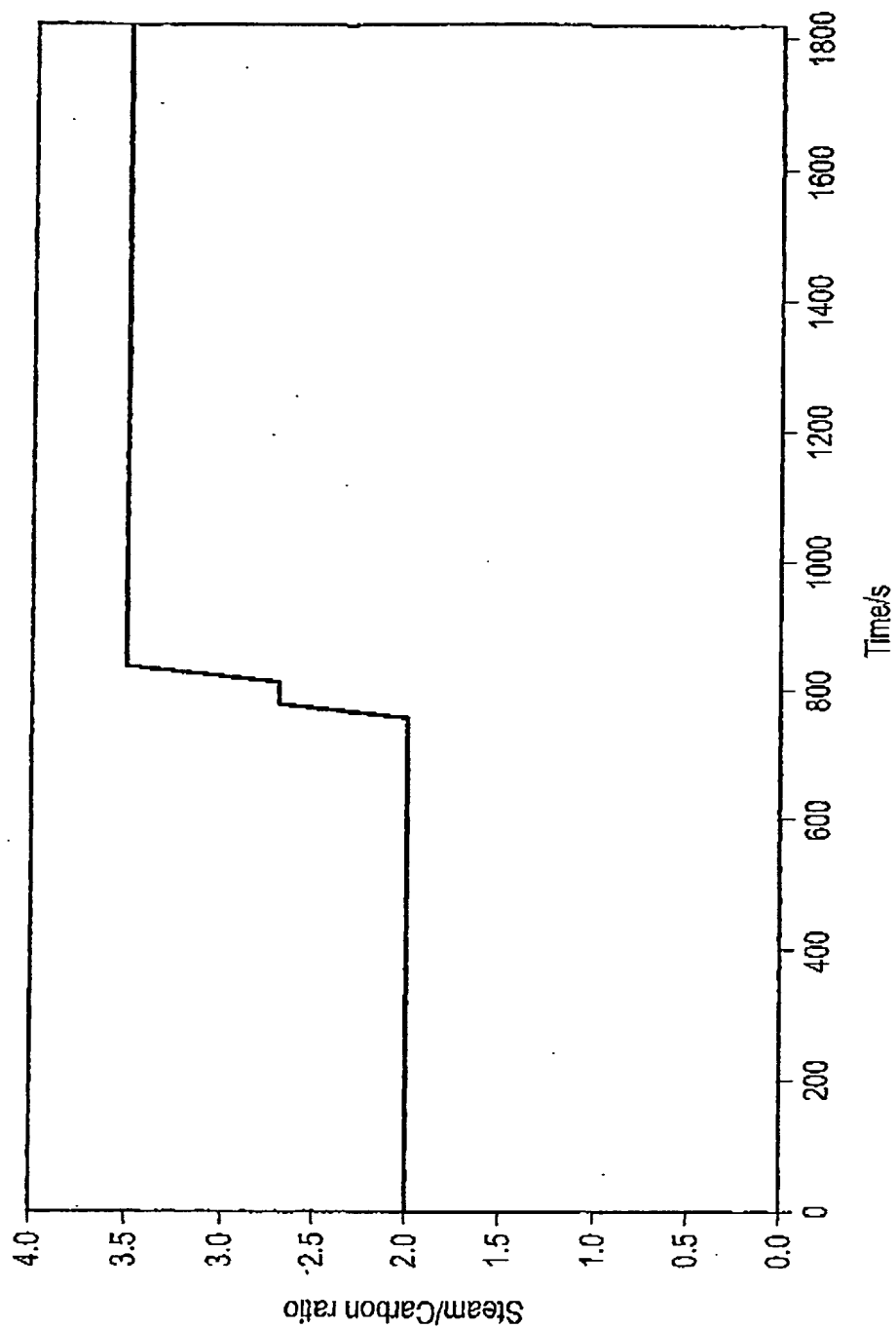


Fig. 11 - Steam/Carbon ratio

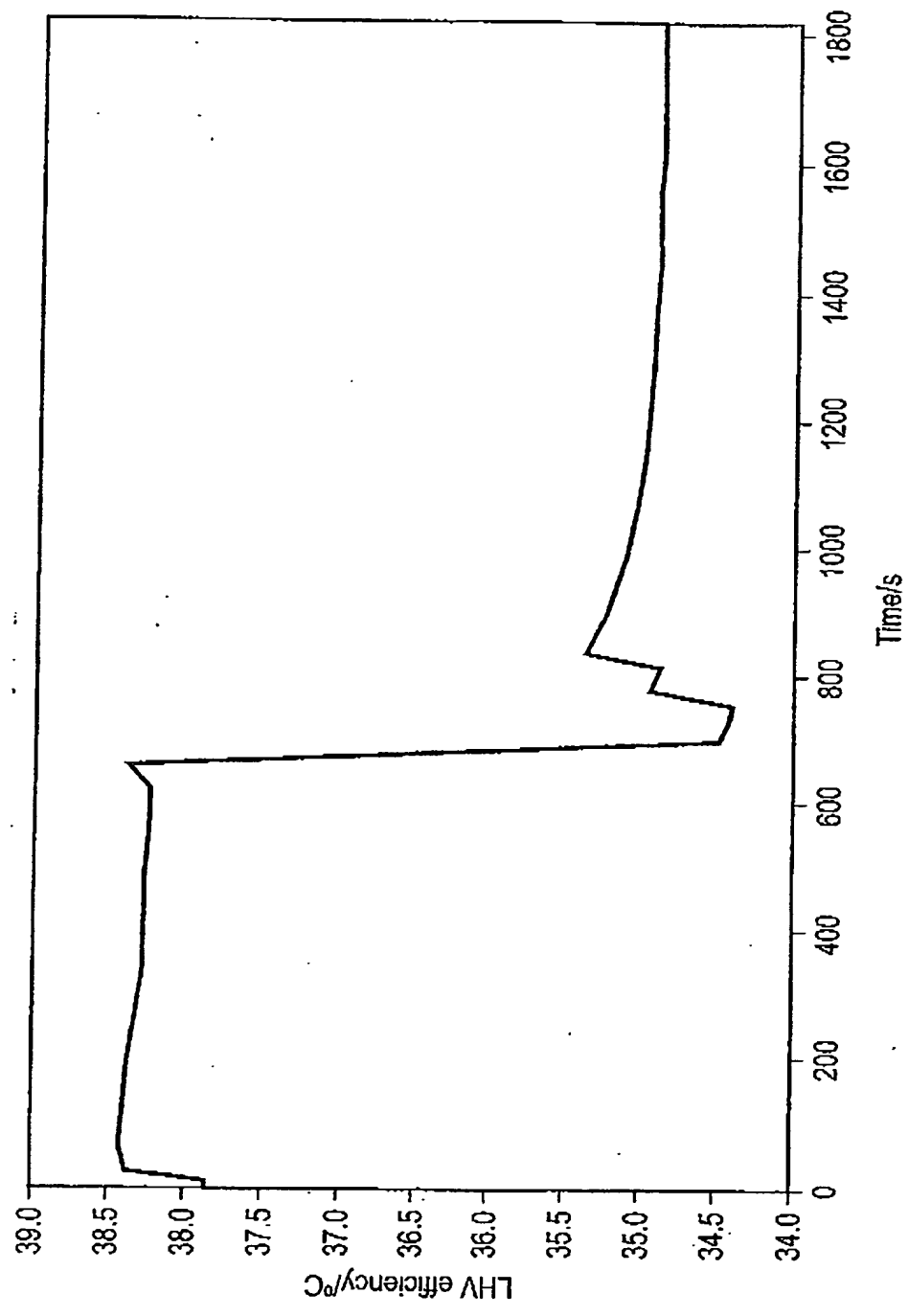


Fig. 12 - Stack efficiency